Consortial Hyku for Open Resources

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Consortia
Hyku
OER
OER
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Hyku
Open Educational Resources (OER)
## Fun Fact: College is Expensive

<table>
<thead>
<tr>
<th></th>
<th>Public two-year (in-district)</th>
<th>Public four-year (in-state)</th>
<th>Public four-year (out-of-state)</th>
<th>Private four-year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$3,570</td>
<td>$9,970</td>
<td>$25,620</td>
<td>$34,740</td>
</tr>
<tr>
<td>Room and board</td>
<td>$8,400</td>
<td>$10,800</td>
<td>$10,800</td>
<td>$12,210</td>
</tr>
<tr>
<td>Books and supplies</td>
<td>$1,420</td>
<td>$1,250</td>
<td>$1,250</td>
<td>$1,220</td>
</tr>
<tr>
<td>Transportation</td>
<td>$1,780</td>
<td>$1,170</td>
<td>$1,170</td>
<td>$1,030</td>
</tr>
<tr>
<td>Other expenses</td>
<td>$2,410</td>
<td>$2,100</td>
<td>$2,100</td>
<td>$1,700</td>
</tr>
<tr>
<td><strong>Total cost</strong></td>
<td><strong>$17,580</strong></td>
<td><strong>$25,290</strong></td>
<td><strong>$40,940</strong></td>
<td><strong>$50,900</strong></td>
</tr>
</tbody>
</table>

Source: Florida Virtual Campus, 2018 Student Textbook and Course Materials Survey
Textbooks Affect Student Learning

The impact of textbook cost

- Not purchase the required textbook: 64.25%
- Take fewer courses: 42.76%
- Not register for a specific course: 40.55%
- Earn a poor grade because I could not afford to buy the textbook: 35.62%
- Drop a course: 22.91%

Source: Florida Virtual Campus, 2018 Student Textbook and Course Materials Survey
OER Community

OER = Open (openly licensed) Educational Resource

- Textbooks
- Quizzes and other assessments
- Classroom activities
- Complete online courses

Open license = free to use, adapt, and remix (in some cases)
Barriers to Adoption of OER 2016-2017

- Not able to find
- Lack of resources
- Concern about
- Not high-quality
- Questions on
- Lack of track
- No good print
- Lack of
- Not used by other
- Not current, up-to-
- other

Gaps in OER Repository Support

- Publishing and peer review workflows
- Remix and adaptation support
- Post-publication review and rating
- Support for interactive objects like quizzes and courses

Vendor hosted software isn’t flexible enough

Support isn’t built into Open Source options
Consortia
Consortia Solve Problems

Resource Sharing + Purchasing + Infrastructure

PALCI
Need for a Consortial IR

- Solution for small-sized colleges
- Sustainable/controllable cost structure
- Multi-tenant/individual branding and theming
- Collaborative management
- Improvable, scalable, and customizable to support new and emerging needs
PALs (PALCI/PALNI) working together

- **HykuDirect Grant**
  - Partner with DPLA, Stanford, DuraSpace (2017)

- **IR Task Force**
  - Produced Vision Document and White paper

- **CC-IR (Collaborative Consortial Institutional Repository) Phase 1 Pilot**
  - 2018–2019
  - Stand-up Hyku and test basic features/functionality for consortial administration
  - Work with Notch8 to provide development and pilot hosting
Hyku
Hyku to the resku?

IMLS funded, 18-month grant to build a consortia-managed Hyku implementation as “Phase 2”:

“Scaling Up a Collaborative Consortial Institutional Repository”

- Multi-tenant installation and management
  - Roles/permissions
  - Shared workflows
  - Theme/brand templates
- Cross-institution searching
- DOI Services
- Two new worktypes
  - ETD & OER
- Business model
Why Hyku?
Hyku Worktypes

Files + Metadata + Relationships (workflows)
OER Worktype Development

Environmental Scan

- OER Commons
- Open Textbook Network
- SUNY OASIS & Open Textbooks

Worktype basics

- Review with state-based groups of OER experts
- Review from external experts

Development of state project to give grants for faculty OER adoption and creation
OER Worktype: Files

Activity/lab
Assessments (tests, quizzes, etc.)
Case studies
Diagrams/illustrations/images
Homework/assignment
Lecture
Lecture notes
Student guide
Supplemental audio/video
Syllabus
Textbook
Tutorials

Audio
Still Image
Moving Image
Video
Text
...or a combination of these

>> OER worktype will support multiple digital file types with some specific features
OER Worktype: Metadata

Metadata Application Profile influenced by OER Commons (https://www.oercommons.org/)

- Descriptive metadata primarily from Qualified Dublin Core
- Specific controlled vocabularies enforced
- Education specific metadata from LRMI/Schema.org
- Few locally defined properties
OER Worktype: Metadata

Accessibility is a key factor

- Accessible OER are used more and impact student success more

>> The OER worktype will include metadata about accessibility features
Highly inter-related material

- A quiz specific to a textbook chapter
- An adaptation of a resource into another language
- A student guide related to a course syllabus
- A supplemental video related to an assignment
- ...

The availability of ancillary materials play a large part in faculty decisions to use OER

>> The OER Worktype will have enhanced metadata relationships between objects.
OER Worktype: Relationships/Workflow

Typical Proxy workflows already in Hyku

- Faculty member has a work to submit...
  - Scenario 1
    - Faculty member creates account and uploads
    - Faculty member assigns metadata
  - Scenario 2
    - Library uploads material as a proxy
  - Scenario 3
    - Faculty member creates account and uploads
    - Faculty member creates some initial metadata
    - Library assigns/updates metadata
OER Worktype?

- Informal “peer review” continues after publication
  - Ratings, reviews, and course adoptions added to content through user interface
  - Highly influential in faculty decision making

>> The OER collection will have front-end features to support rating and review. It will also feature links between related items.
Project schedule

OER worktype: in progress!

Design and Development of other features: Sep 19 – July 20

- Multi-tenant workflows
- Individual theming and branding

Pilot: July 20 – Sep 20

Business and Collaboration model development: Sep 20 – Nov 20

Closeout: Dec 20.
Plea for more collaboration

Open Source and OER communities would make great partners

- Commitment to and understanding of “open”
  - Same puppy/beer metaphors!
- Desire to change the playing field for libraries and education
- Complementary skill sets
- Opportunity to have a huge impact
- Technology or advocacy/education won’t solve problems in isolation
Putting my money where my mouth is...
Thank you!